



SEQUENCE LISTING

<110> Zuker, Charles

Vinos, Javier

The Regents of the University of California

<120> Method for Modulating G-Protein Coupled Receptors

<130> 02307E-085110US

<140> US 09/463,733

<141> 2000-06-12

<150> US 60/054,165

<151> 1997-07-30

<150> US 60/054,492

<151> 1997-08-01

<150> WO PCT/US98/15717

<151> 1998-07-29

<160> 1

<170> PatentIn Ver. 2.1

<210> 1

<211> 661

<212> PRT

<213> Drosophila melanogaster

<220>

<223> retinal degeneration C (RDGC) protein

<400> 1

Met Asp Glu Asn Ala Ile Arg Ala Ala Ile Phe Ile Gln Lys Trp Tyr
1 5 10 15Arg Arg His Gln Ala Arg Arg Glu Met Gln Arg Arg Cys Asn Trp Gln
20 25 30Ile Phe Gln Asn Leu Glu Tyr Ala Ser Glu Gln Asp Gln Ala Glu Leu
35 40 45Tyr Lys Phe Phe Asn Asp Leu Ile Lys His Met Pro Gln Ala Ala Gly
50 55 60Arg Lys Asn Gln Tyr Gln Gly Ser Ala His Val Ser Val Leu Asp Asp
65 70 75 80Lys Asp Asp Leu Val Glu Glu Phe Gly Asp Ile Val Asn Ala Lys Ile
85 90 95Glu Leu Pro Ile Arg Lys Asn His Ile Asp Leu Leu Ile Asp Val Phe
100 105 110Arg Lys Lys Arg Gly Asn Arg Leu His Pro Lys Tyr Val Ala Leu Ile
115 120 125Leu Arg Glu Ala Ala Lys Ser Leu Lys Gln Leu Pro Asn Ile Ser Pro
130 135 140

Val Ser Thr Ala Val Ser Gln Gln Val Thr Val Cys Gly Asp Leu His
 145 150 155 160
 Gly Lys Leu Asp Asp Leu Leu Val Val Leu His Lys Asn Gly Leu Pro
 165 170 175
 Ser Ser Ser Asn Pro Tyr Val Phe Asn Gly Asp Phe Val Asp Arg Gly
 180 185 190
 Lys Arg Gly Leu Glu Val Leu Leu Leu Ser Leu Tyr Leu Ala
 195 200 205
 Phe Pro Asn Ala Val Phe Leu Asn Arg Gly Asn His Glu Asp Ser Val
 210 215 220
 Met Asn Ala Arg Tyr Gly Phe Ile Arg Glu Val Glu Ser Lys Tyr Pro
 225 230 235 240
 Arg Asn His Lys Arg Ile Leu Ala Phe Ile Asp Glu Val Tyr Arg Trp
 245 250 255
 Leu Pro Leu Gly Ser Val Leu Asn Ser Arg Val Leu Ile Val His Gly
 260 265 270
 Gly Phe Ser Asp Ser Thr Ser Leu Asp Leu Ile Lys Ser Ile Asp Arg
 275 280 285
 Gly Lys Tyr Val Ser Ile Leu Arg Pro Pro Leu Thr Asp Gly Glu Pro
 290 295 300
 Leu Asp Lys Thr Glu Trp Gln Gln Ile Phe Asp Ile Met Trp Ser Asp
 305 310 315 320
 Pro Gln Ala Thr Met Gly Cys Val Pro Asn Thr Leu Arg Gly Ala Gly
 325 330 335
 Val Trp Phe Gly Pro Asp Val Thr Asp Asn Phe Leu Gln Arg His Arg
 340 345 350
 Leu Ser Tyr Val Ile Arg Ser His Glu Cys Lys Pro Asn Gly His Glu
 355 360 365
 Phe Met His Asp Asn Lys Ile Ile Thr Ile Phe Ser Ala Ser Asn Tyr
 370 375 380
 Tyr Ala Ile Gly Ser Asn Lys Gly Ala Tyr Ile Arg Leu Asn Asn Gln
 385 390 395 400
 Leu Met Pro His Phe Val Gln Tyr Ile Ser Ala Ala Ser Gln Thr Lys
 405 410 415
 Arg Leu Ser Phe Lys Gln Arg Met Gly Ile Val Glu Ser Ser Ala Leu
 420 425 430
 Lys Glu Leu Ala Val Arg Met Arg Asp His Arg Asp Glu Leu Glu Asp
 435 440 445
 Glu Phe Arg Lys Tyr Asp Pro Lys Asp Ser Gly Tyr Ile Ser Ile Ser
 450 455 460

His Trp Cys Lys Val Met Glu Asn Val Thr Lys Leu Gly Leu Pro Trp
465 470 475 480

Arg Leu Leu Arg Asp Lys Leu Ala Pro Gly Thr Asp Ser Gln Lys Val
485 490 495

Asn Tyr Asn Arg Thr Leu Asp Leu Leu Asp Thr Asp Val Ile Leu Glu
500 505 510

Ala Glu Ala Asp Gly Met Ser Val Met Asp Ala Leu Tyr Ala Asn Lys
515 520 525

Ala Ser Leu Val Ala Ile Phe Asn Ile Ile Asp Ala Asp Asn Ser Gly
530 535 540

Glu Ile Thr Leu Asp Glu Phe Glu Thr Ala Ile Asp Leu Leu Val Ala
545 550 555 560

His Met Pro Gly Ala Tyr Ser Lys Ala Glu Met Leu Glu Lys Cys Arg
565 570 575

Met Met Asp Leu Asn Gly Asp Gly Lys Val Asp Leu Asn Glu Phe Leu
580 585 590

Glu Ala Phe Arg Leu Ser Asp Leu His Arg Lys Glu Gln Gln Asp Glu
595 600 605

Asn Ile Arg Arg Arg Ser Thr Gly Arg Pro Ser Val Ala Lys Thr Ala
610 615 620

Thr Asp Pro Val Thr Leu Leu Ala Asp Lys Ile Ser Lys Asn Thr Leu
625 630 635 640

Val Val Glu His Asp Ile Asp Pro Thr Asp Cys Glu Ser Lys Val Ile
645 650 655

Asp Pro Lys Lys Ser
660